Chapter 2: Invoking and Logging Into CRL

In this chapter we describe first how to launch the application, and then we describe the two methods for logging in and out of **CRL**. We discuss the Entry Signer feature and session PINs, and we show how to change your password.

2.1 Invoking the CRL Application

Typically **CRL** is up and running at all times in a control room, and users do not have to invoke it; they can just log in (see section 2.2 *About Logging In*). But in case you need to invoke the application, here are instructions:

2.1.1 Windows

On Windows, you will have a desktop icon for **CRL**. Just double-click it to run the program.

2.1.2 Linux

How you invoke **CRL** depends on how it was installed. Find out from your **CRL** administrator what you need to do. Here are typical scenarios:

UPD

Typically, if UPD was used to install **CRL**, you run:

```
% setup crl V<x_y> [-f Linux]
% crl
```

Tar File

For a tar file installation, you may need to add the directory containing the **CRL** script to your $PATH manually, then run the program by entering the script name, e.g.,:

```
% CRL_Linux.bin
```

AFS

If your system runs the **CRL** installation in Fermilab's AFS product area, find out from your sysadmin what command to run. There should be a script on your local machine that runs **CRL** such that it points to local configuration information.

If you are logged into an fnalu Linux node (for example, flxi02.fnal.gov), or any Linux node that has a **UPS** database setup for the AFS products area, it should be as simple as:

```
% setup crl V<x_y> [-f Linux]
% <local_crl_scriptname>
```

If you are on a Linux system with no **UPS** database, you may need to set an environment variable that points to the product, for example:

```
% setenv CRL_DIR /afs/fnal.gov/ups/crl/V<x_y>/Linux
```

and then run the local script that invokes **CRL**:

```
% <local_crl_scriptname>
```

2.2 About Logging In

Your **CRL** administrator has configured your installation according to one of two available login methods[1]:

- The "username and password" login method requires entry of a username and a password only, and uses the Entry Signers feature. Depending on your configuration, you may need to log in to **CRL** in order to archive entries, or you may be able to archive without logging in. Only the names of logged in users that are in the Entry Signers list will appear with the entries as they are archived. See section 2.3.1 *About the Entry Signers Feature*.

- The alternative login method, "password and PIN", requires that you select your username from a list, and provide your password and a PIN (Personal Identification Number). For this method, you cannot archive entries unless you are logged in. You must provide your PIN whenever you give the command to archive an entry. See 2.4.1 *About PINs*.

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1. To the administrator: Set the `Logbook.login.class` parameter to the desired value in the `LogbookConfigParms.properties file`; see Chapter 14: *CRL's Java Properties.*

At least a day or two before you will need to log in, you should make sure that you have been entered into the system by your **CRL** administrator and that you get an initial password. Your **CRL** login user name is the "name" part of your email address, e.g., for the email address *joe@fnal.gov*, the **CRL** user name is *joe*.

If the **CRL** program won't let you log in, a likely cause is that the database is not working. If a **CRL** session is up and running, it can still be used in this condition to create (but not archive) entries; however no one can log in, and no new **CRL** sessions can start.

2.3 Username and Password Configuration

2.3.1 About the Entry Signers Feature

This feature is used only if **CRL** is configured to process "username and password" logins (see section 2.2 *About Logging In*).

The Entry Signer List

When you log in to **CRL**, your name gets added automatically to something called the Entry Signers list. This list is made up of all users that are currently logged in (minus those that have been manually removed from the list). As its name implies, the Entry Signers list provides the name(s) that **CRL** associates with each logbook entry as it is archived; it provides the value for the **OPERATOR** field.

Adding/Removing Users to/from Entry Signer List

While you are logged in, you can remove yourself from the entry signers list, and add yourself back at will. You can also add/remove other logged in users to/from the list.
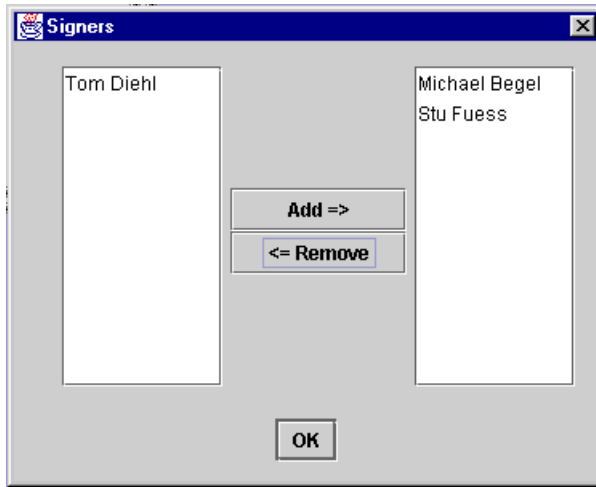
In the right-hand column is the list of entry signers. By default each user that is logged in appears in this column. In the left-hand column is the list of users that have been removed from the list. Together, both columns show all the users currently logged in.

To add entry signer(s):   select from the left-hand list and click **ADD=>**

To remove entry signer(s):   select from the right-hand list and click
                                 <=REMOVE

To add/remove multiple signers at a time, use the standard method of selecting multiple items for your windowing system. E.g., for Windows, use the **CTRL** or **SHIFT** key (**CTRL**-click individual, nonadjacent items, or **SHIFT**-click top and bottom of set of adjacent items).
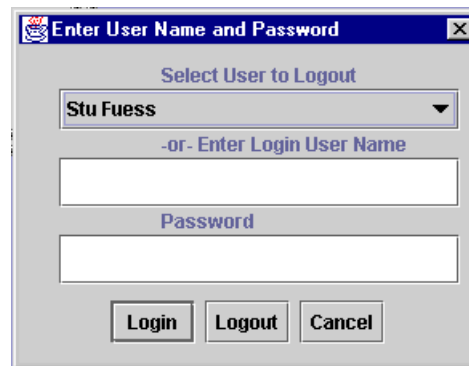
2.3.2 Logging In

To log in, click the **LOG IN/LOG OUT** button on the Logbook Toolbar at the left of the **CRL** window. This pops up the **ENTER USER NAME AND PASSWORD** screen.
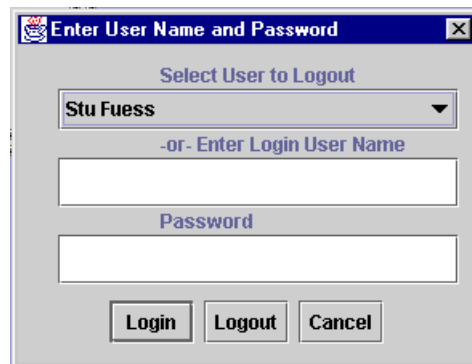
Type your login user name in **ENTER LOGIN USER NAME**, then enter your password. Click **LOGIN** (or **CANCEL** to cancel out). Once you login, your name appears in the Entry Signers list.

2.3.3 Logging Out

You can log yourself or another user out of **CRL**. To log someone out, click the **LOG IN/LOG OUT** button on the Logbook Toolbar at the left of the **CRL** window. This pops up the **ENTER USER NAME AND PASSWORD** screen.

From the drop-down list, select the user to log out then click **LOGOUT** (or **CANCEL** to cancel out). Once logged out, the user should no longer appear in either column of the **ENTRY SIGNERS** window.

2.4 Password and PIN Configuration

2.4.1 About PINs

PINs are used only for the login configuration that processes "password and PIN" logins (see section 2.2 *About Logging In*). The PIN you choose is good only for your current login session. You can choose a different one each session, or not. You must enter your PIN every time you archive an entry. This determines the username associated with the archived entry in the database; in other words, it fills in the entry's Operator field. To assign multiple names to an entry, all the users whose names are to be assigned must share the same PIN for the session. PINs must be at least 4 characters long.

2.4.2 Logging In

To log in, click the **LOG IN/LOG OUT** button on the Logbook Toolbar at the left of the **CRL** window. This pops up the **LOGIN/LOGOUT OF LOGBOOK** screen:

Operator Full Name	Enter Password	Enter Session PIN	PIN confirm	Login/Logout
coor				☐
hepjava 2				☐
Michael Begel				☐
George Bush				☐
Tom Diehl				☐
Stu Fuess				☐
Anne Heavey				☐
Joy Kyriakopulos				☐
Suzanne Panacek				☐
Pat Pomatto				☐
Coor Program				☐
Gary Roediger				☐
d0 run				☐
hepjava three				☐
x yz				☐

1) Scroll down to your name. (If it does not appear, contact your **CRL** administrator.)

2) Enter your password (field turns yellow).

3) Choose a session PIN, and enter it (field turns yellow).

4) Enter PIN again, for confirmation (field turns yellow).

5) Click the **LOGIN/LOGOUT** box (a check appears and password and PIN fields turn green to show that you're logged on).

Operator Full Name	Enter Password	Enter Session PIN	PIN confirm	Login/Logout
coor				☐
hepjava 2				☐
Michael Begel				☐
George Bush				☐
Tom Diehl				☐
Stu Fuess				☐
Anne Heavey				☑
Joy Kyriakopulos				☐
Suzanne Panacek				☐
Pat Pomatto				☐
Coor Program				☐
Gary Roediger				☐
d0 run				☐
hepjava three				☐
x yz				☐

6) Minimize or close the **LOGIN/LOGOUT OF LOGBOOK** window.

2.4.3 Logging Out

1) To log out, click the **LOG IN/LOG OUT** button on the Logbook Toolbar at the left of the **CRL** window. This pops up the **LOGIN/LOGOUT OF LOGBOOK** screen.

2) Scroll down to your name.

3) Enter your session PIN.

4) Enter PIN again, for confirmation.

5) Click the **LOGIN/LOGOUT** box (the check disappears and password and PIN fields are no longer green).

2.5 Changing your Password

You should change your initial password at your earliest opportunity. To change your password, you need to know your existing one. If you've forgotten it, contact your **CRL** administrator to get a new one. Passwords are required to contain a minimum of 4 and a maximum of 8 characters. You do not need to be logged on to change your password. Fermilab users: please choose a password that is very different from your Kerberos one!

Select the **CHANGE PASSWORD** button on the **CRL** toolbar at the left of the **CRL** window. This pops up the **CHANGE PASSWORD** screen.

Select your name in the **SELECT USER** drop-down list. Type your old password, then your new one, and finally your new one again for confirmation. If the change is successful, you will get no message. If your old password is wrong, or if there's a problem with your new one, a message will appear, and the change will not take place.